

ABSTRACT OF THE DISCLOSURE

A rotor segment is assembled in a screw set for use in a twin-screw extruder for mixing and dispersing a material to be kneaded into a kneaded product having a desired state of kneading. The rotor segment has a plurality of kneading blades that provide a plurality of tip clearances different from each other at least in the circumferential direction. The rotor segment also has the same sectional shape as a screw and a kneading disk, which are assembled in other screw segment and kneading disk segment of the screw set, except for crest portions of the kneading blades. A degradation in quality of a kneaded product attributable to residence of a target material of kneading for a long time can be satisfactorily prevented. A load partially imposed on the rotor segment can be reduced, thereby preventing a damage of the screw set in which the rotor segment is assembled.